

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09604/012001	SERIAL NO. 09/079,324
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) (37 CFR 1.98(b))		O P E JC 65 AUG 31 1999 P A T E N T & T R A D E M A R K S E C T I O N		APPLICANT James W. Overbeck et al.	
				FILING DATE May 14, 1998	GROUP

U.S. PATENT DOCUMENTS													
EXAMINER INITIAL		PATENT NUMBER				ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
<u>A</u>	AA	2	8	6	8	0	2	0	01/13/59	Williams Jr.	73	432	02/24/55
	AB	3	3	2	9	9	6	4	07/04/67	Mutschler et al.	346	78	06/24/65
	AC	3	3	3	4	3	5	4	08/01/67	Mutschler	346	140	03/17/66
	AD	3	5	6	8	7	3	5	03/09/71	Lancaster	141	238	06/26/68
	AE	4	0	4	1	9	9	5	08/16/77	Columbus	141	275	12/24/75
	AF	4	0	9	6	8	2	5	06/27/78	Golias et al.	118	221	02/18/77
	AG	4	1	4	2	6	5	6	03/06/79	Smith et al.	222	325	12/17/76
	AH	4	3	2	2	0	6	3	03/30/82	Fishbeck et al.	267	160	04/14/80
	AI	4	3	4	0	3	9	0	07/20/82	Collins et al.	23	230	05/06/81
	AJ	4	3	8	7	3	8	4	06/07/83	Sue	346	140	11/12/80
	AK	4	4	3	4	6	7	2	03/06/84	Williamson et al.	73	864.22	11/09/81
	AL	4	4	4	1	5	3	2	04/10/84	Hrubesh	141	1	05/03/82
	AM	4	4	5	2	8	9	9	06/05/84	Alston	436	46	06/10/82
	AN	4	5	6	7	5	8	5	01/28/86	Gelbart	369	97	10/31/83
	AO	4	6	3	5	4	8	8	01/13/87	Kremer	73	864.22	12/03/84
	AP	4	6	5	6	0	0	7	04/07/87	Douchy et al.	422	64	09/24/85
	AQ	4	6	5	9	6	7	7	04/21/87	Glover et al.	436	174	03/22/85
	AR	4	7	3	7	3	4	4	04/12/88	Koizumi et al.	422	100	04/22/87
	AS	4	9	8	1	7	8	3	01/01/91	Augenlicht	435	6	04/16/86
	AT	5	2	0	2	2	3	1	04/12/88	Drmanac	422	100	04/22/87
	AU	5	2	0	4	2	6	8	04/20/93	Matsumoto	436	44	01/28/92
<u>V</u>	AV	5	2	1	3	7	6	4	05/25/93	Kerr et al.	422	100	05/15/91
<u>A</u>	AW	5	2	2	3	2	2	5	06/29/93	Gautsch	422	100	05/17/91

## FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	TRANSLATION
<u>OC</u>	AX	EP 0 373 203		European Patent Office		<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO

## OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)

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EXAMINER	DATE CONSIDERED
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U.S. PATENT DOCUMENTS													
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<u>A</u>	BA	5	2	6	2	1	2	8	11/16/93	Leighton et al.	422	100	10/23/89
	BB	5	3	0	6	5	1	0	04/26/94	Meltzer	422	65	02/01/91
	BC	5	3	3	8	6	8	8	08/16/94	Deeg et al.	436	180	02/19/93
	BD	5	3	4	4	6	6	6	09/06/94	Levine	427	2.11	03/19/92
	BE	5	4	2	8	6	9	0	06/27/95	Bacus et al.	382	128	02/18/92
	BF	5	4	3	6	1	2	9	07/25/95	Stapleton	435	6	10/12/93
	BG	5	4	4	3	7	9	1	08/22/95	Cathcart et al.	422	65	08/07/92
	BH	5	4	9	2	8	0	6	02/20/96	Drmanac et al.	435	5	04/12/93
	BI	5	5	2	5	4	6	4	06/11/96	Drmanac et al.	435	6	02/28/94
	BJ	5	5	5	1	4	8	7	09/03/96	Gordon et al.	141	1	03/10/95
	BK	5	6	0	7	8	6	1	03/04/97	Komatsu et al.	436	50	06/17/96
	BL	5	6	2	6	7	4	0	05/06/97	Seto et al.	205	789	01/16/96
	BM	5	6	6	5	3	1	2	09/09/97	Sperber et al.	422	81	11/14/95
	BN	5	7	5	6	0	5	0	05/26/98	Ershow et al.	422	100	
	BO	5	7	7	0	1	5	1	06/23/98	Roach et al.	422	63	06/05/96
	BP	5	8	0	7	5	2	2	09/15/98	Brown et al.	422	50	06/07/95
<u>Q</u>	BQ	5	8	8	2	9	3	0	03/16/99	Baier	436	49	11/10/97
<u>Q</u>	BR	5	8	9	5	6	3	0	04/20/99	Skaborn et al.	422	100	
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION													
		DOCUMENT NUMBER		PUBLICATION DATE	COUNTRY OR PATENT OFFICE			CLASS	SUBCLASS	TRANSLATION			
		BS WO 95/04594		16.02.95	PCT					YES	NO		
<u>BT</u>	BT	Castellino, Alexander M.; "When the Chips are Down"; <u>Genome Research</u> ; Vol. 7, No. 40; (1997), pp 943-946											
EXAMINER <u>John L</u>						DATE CONSIDERED <u>8/8/95</u>							
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<i>a</i>	CA	5 7 0 0 6 3 7		Southern et al.			
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION							
		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION
<i>AC</i>	CB	WO 95/09248	06.04.95	PCT			YES NO
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)							
<i>a</i>	CC	Ekins, R.P., et al.; "Multianalyte Immunoassay: The Immunological "Compact Disk" of the Future"; <u>Journal of Clinical Immunoassay</u> ; Vol. 13, No. 4; (1990), pp 169-181					
	CD	NORMAG, Northern Magnetics Inc., company brochure					
	CE	NORMAG, "Single Axis High Performance Linear Stepper Motors", product description, pp 1					
	CF	"The Perfect Solution for Your Testing Problem", © Ostby Barton, (1997); product description, pp 1					
	CG	BioRobotics, "The MicroGrid", product description, pp 2					
	CH	"Gridding & Replicating Application", Revised: November 1997 © PBA Technology Ltd., pp 1-2					
	CI	Geysen, H. M., et al.; "Strategies for epitope analysis using peptide synthesis"; <u>Journal of Immunological Methods</u> ; Vol. 102; (1987), pp 259-274					
	CJ	Graves, David J., et al.; "System for Preparing Microhybridization Arrays on Glass Slides"; <u>Analytical Chemistry</u> ; Vol. 70, (1998) pp 5085-5092					
<i>↓</i>	CK	Kalachikov, S., et al.; "Colony Selection with an Automated 383-Pin High-Density Replicating Tool (HDRT); BioRobotics, ©1996 Beckman Instruments, Inc.; pp 1-7					
<i>a</i>	CL	Lemieux, B., et al.; "Overview of DNA chip technology"; Molecular Breeding; Vol. 4, (1998); pp 277-289					
EXAMINER <i>am</i>				DATE CONSIDERED		<i>8/8/05</i>	
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. <i>Initial</i> copy of this form with next communication to applicant.							

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<i>AC</i>	DA	5	5	4	0	8	9	1	07/30/96	Portmann et al.	422	102	10/11/94
<i>AC</i>	DB	5	8	0	0	9	9	2	09/01/98	Fodor et al.	435	6	06/25/96
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	DC							YES    NO					
OTHER DOCUMENTS (Including Author, Title, Date, Place of Publication)													
<i>AC</i>	DD	Pease et al.; "Light-generated oligonucleotide arrays for rapid DNA sequence analysis"; <u>Proc. Natl. Acad.</u> <u>Sci. USA</u> ; Vol. 91, pp. 5022-5026, May 1994.											
	DE	Southern et al.; "Molecular interactions on microarrays"; The Chipping Forecast; <u>Nature Genetics</u> ; Vol. 21, pp. 5-9; January 1999.											
	DF	Trent et al., "Workshop on Methods and Applications of DNA Microarray Technology"; January 11-13, 1998.											
	DG	"Microfiltration Apparatus"; <u>Chromatography Electrophoresis Immunochemistry Molecular Biology HPLC</u> ; catalogue M 1987.											
	DH	Hames et al.; "Nucleic Acid Hybridization: A Practical Approach"; <u>IRL Press Oxford England</u> ; 1985.											
	DI	"BioRobotics Latest Developments"; BioRobotics, Beckman Instruments, Inc.; 1997.											
<i>AC</i>	DJ	Abstracts of papers presented at the 1994 meeting on Genome Mapping & Sequencing; pp. 48, 60-62, 198, 203, 296-297; May 11-15, 1994.											
<i>AC</i>	DK	Gilson; "Raising The Speed Limit On Liquid Handling...Again!" advertisement p 1											
	DL												
EXAMINER <i>AC</i>				DATE CONSIDERED <i>8/8/98</i>				TC 1700 SEP 14 1998 -2 RECEIVED					
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Substitute Disclosure Form (PTO-1449)